



SHEET 1 OF 2

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 5107-3-CIP	SERIAL NO. 10/649,286
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT DONNELLY et al.	
		FILING DATE August 26, 2003	GROUP ART 2837

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1. D464,622 S	10/22/02	Donnelly	D13	120	
	2. 5,281,900	01/25/94	Park	318	139	
	3. 5,511,749	04/30/96	Horst et al.	246	187 A	
	4. 5,568,023	10/22/96	Grayer et al.	318	139	
	5. 5,685,507	11/11/97	Horst et al.	246	187 A	
	6. 6,441,581 B1	08/27/02	King et al.	320	101	
Ro	7. 6,449,536 B1	09/10/02	Brousseau et al.	701	19	
	8. 6,456,674 B1	09/24/02	Horst et al.	375	347	
	9. 6,470,245 B1	10/22/02	Proulx	701	19	
	10. 6,615,118 B2	09/02/03	Kumar	701	19	
	11. 6,658,331 B2	12/02/03	Horst et al.	701	19	
	12. 6,691,005 B2	02/10/04	Proulx	701	19	
	13. 6,697,716 B2	02/24/04	Horst	701	19	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
Ro	14. CA 1,283,472	10/15/87	Canada	B60L	11/02	X	
Ro	15. CA 2,411,132	11/05/02	Canada			X	

EXAMINER	Bentu Ro	DATE CONSIDERED	12/1/2004
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Filed
May 6, 2004.

SHEET 2 OF 2

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		ATTY. DOCKET NO. 5107-3-CIP
		SERIAL NO. 10/649,286
		APPLICANT DONNELLY et al.
		FILING DATE August 26, 2003
		GROUP ART 2837

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

R0	16.	Kostic et al., "An Analytic Solution of the Choppers Ripple Currents," Proceedings of the 1993 IEEE/ASME Joint Railroad Conference, April 1993, pp. 103-107.

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SHEET 1 OF 4

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		FILING DATE August 26, 2003	GROUP ART 2837

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
1	384,580	06/12/1988	E. Julien			
2	1,199,752	10/03/1916	C.W. Baker			
3	1,377,087	05/03/1921	J.A. Manns			
4	1,535,175	04/28/1925	R. Mancha			
5	2,403,933	04/16/1946	T.O. Lillquist			
6	2,472,924	06/14/1949	A.F. Schwendner			
7	2,510,753	06/06/1950	R.H. Multhaup			
8	3,169,733	02/16/1965	A.M. Barrett, Jr.			
9	3,443,115	05/06/1969	J.W. Timmerman, Jr.			
10	3,569,810	03/09/1971	Tom N. Thiele	318	341	
11	3,668,418	06/06/1972	Godard	307	66	
12	3,792,327	02/12/1974	Waldorf	318	139	
13	3,898,937	08/12/1975	Johnson	105	61	
14	3,970,160	07/20/1976	Nowick	180	65	
15	4,090,577	06/23/1978	Moore	180	44	
16	4,199,037	04/22/1980	White	180	65	
17	4,204,143	05/20/1980	Coleman	318	341	
18	4,217,527	08/12/1980	Bourke et al.	318	139	
19	4,309,645	01/05/1982	De Villeneuve	318	341	
20	4,471,276	09/11/1984	Cudlitz	318	341	
21	4,495,449	01/22/1985	Black et al.	318	60	
22	4,523,134	06/11/1985	Kinoshita et al.	318	313	
23	4,900,944	02/13/1990	Donnelly	290	3	

EXAMINER	Bentsu Ro	DATE CONSIDERED	12/1/2004
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SHEET 2 OF 4

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5107-3-CIP	SERIAL NO. 10/649,286
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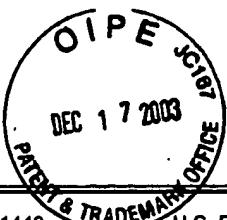
24	4,961,151	10/02/1990	Early et al.	364	492	
25	5,129,328	07/14/1992	Donnelly	105	61.5	
26	5,212,431	05/18/1993	Origuchi et al.	318	139	
27	5,264,764	11/23/1993	Kuang	318	139	
28	5,317,669	05/31/1994	Anderson et al.	388	829	
29	5,453,672	09/26/1995	Avitan	318	493	
30	5,317,669	05/31/1994	Anderson et al.	388	829	
31	5,332,630	07/26/1994	Hsu	429	20	
32	5,359,228	10/25/1994	Yoshida	290	17	
33	5,436,548	07/25/1995	Thomas	320	2	
34	5,453,672	09/26/1995	Avitan	318	493	
35	5,510,693	04/23/1996	Theobald	320	24	
36	5,528,148	06/18/1996	Rogers	324	426	
37	5,585,706	12/17/1996	Avitan	318	493	
38	5,610,499	03/11/1997	Rogers	322	25	
39	5,629,567	05/13/1997	Kumar	290	3	
40	5,629,601	05/13/1997	Feldstein	320	6	
41	5,631,532	05/20/1997	Azuma et al.	320	5	
42	5,696,438	12/09/1997	Hamilton	322	12	
43	5,698,855	12/16/1997	Nii	318	139	
44	5,751,137	05/12/1998	Kluchi et al.	322	14	
45	5,765,656	06/16/1998	Weaver	180	65.3	
46	5,820,172	10/13/1998	Brigham et al.	290	49	
47	5,898,282	04/27/1999	Drozdz et al.	318	139	
48	5,992,950	11/30/1999	Kumar et al.	303	151	
49	5,939,861	08/17/1999	Joko et al.	320	122	
50	5,964,309	10/12/1999	Kimura et al.	180	65.8	

EXAMINER	Bentsu Ro	DATE CONSIDERED	12/1/2004
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* Duplicate References

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SHEET 1 OF 3

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	APPLICANT DONNELLY et al.		
	FILING DATE August 26, 2003	GROUP ART 2837	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1 384,580	06/12/1988	E. Julien			
	2 1,199,752	10/03/1916	C.W. Baker			
	3 1,377,087	05/03/1921	J.A. Manns			
	4 1,535,175	04/28/1925	R. Mancha			
	5 2,403,933	04/16/1946	T.O. Lillquist			
	6 2,472,924	06/14/1949	A.F. Schwendner			
	7 2,510,753	06/06/1950	R.H. Multhaup			
	8 3,169,733	02/16/1965	A.M. Barrett, Jr.			
	9 3,443,115	05/06/1969	J.W. Timmerman, Jr.			
	10 3,569,810	03/09/1971	Tom N. Thiele	318	341	
Ro	11 3,596,154	7/27/1971	Gurwicz et al.	318	252	
	12 3,668,418	06/06/1972	Godard	307	66	
	13 3,792,327	02/12/1974	Waldorf	318	139	
	14 3,898,937	08/12/1975	Johnson	105	61	
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	17 4,199,037	04/22/1980	White	180	65	
	18 4,204,143	05/20/1980	Coleman	318	341	
	19 4,217,527	08/12/1980	Bourke et al.	318	139	
	20 4,309,645	01/05/1982	De Villeneuve	318	341	
	21 4,369,397	1/18/1983	Read	318	54	
	22 4,423,362	12/27/1983	Konrad et al.	318	139	
	23 4,471,276	09/11/1984	Cudlitz	318	341	
	24 4,495,449	01/22/1985	Black et al.	318	60	
	25 4,523,134	06/11/1985	Kinoshita et al.	318	313	
	26 4,644,232	2/17/1987	Nojiri et al.	318	66	

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27	4,900,944	02/13/1990	Donnelly	290	3	
28	4,961,151	10/02/1990	Early et al.	364	492	
29	5,129,328	07/14/1992	Donnelly	105	61.5	
30	5,212,431	05/18/1993	Origuchi et al.	318	139	
31	5,264,764	11/23/1993	Kuang	318	139	
32	5,317,669	05/31/1994	Anderson et al.	388	829	
33	5,453,672	09/26/1995	Avitan	318	493	
34	5,317,669	05/31/1994	Anderson et al.	388	829	
35	5,332,630	07/26/1994	Hsu	429	20	
36	5,359,228	10/25/1994	Yoshida	290	17	
37	5,436,548	07/25/1995	Thomas	320	2	
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44	5,629,601	05/13/1997	Feldstein	320	6	
45	5,631,532	05/20/1997	Azuma et al.	320	5	
46	5,696,438	12/09/1997	Hamilton	322	12	
47	5,698,955	12/16/1997	Nii	318	139	
48	5,751,137	05/12/1998	Kiuchi et al.	322	14	
49	5,765,656	06/16/1998	Weaver	180	65.3	
50	5,820,172	10/13/1998	Brigham et al.	290	40	
51	5,898,282	04/27/1999	Drozdz et al.	318	139	
52	5,992,950	11/30/1999	Kumar et al.	303	151	
53	5,939,861	08/17/1999	Joko et al.	320	122	
54	5,964,309	10/12/1999	Kimura et al.	180	65.8	
55	5,998,880	12/07/1999	Kumar	290	40	
56	6,012,011	1/4/2000	Johnson	701	82	

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	57	6,021,251	02/01/2000	Hammer et al.	388	801	
	58	6,023,137	02/08/2000	Kumar et al.	318	254	
	59	6,175,272 B1	01/16/2001	Takita	330	10	
Ro	60	6,308,639 B1	10/30/2001	Donnelly et al.	105	50	
	61	2003/0160586	8/28/03	Donnelly et al.			2/27/2002
	62	10/650,011		Donnelly et al.			8/26/2003

FOREIGN PATENT DOCUMENTS

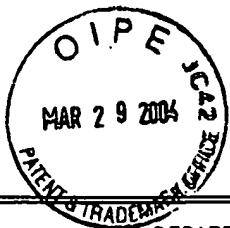
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	63	873,167	03/24/1960	Great Britain	B62d			
	64	1,129,709	11/18/1966	Great Britain	B 60 1	11/00		
Ro	65	1 312 699	10/10/1970	Great Britain	B60L	11/12		
	66	GB 2 005 205 A	09/02/1977	United Kingdom	B60L	11/00		
	67	WO 03/072388	09/4/2003	PCT	B60L	9/02		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	68	Thompson; "Electric Transportation"; <i>International Textbook Co., Scranton, Pa</i> ; 1940, First Edition, pgs. 254-262
	69	Mendler; "The Technological Opportunities of Hybrid Electric Vehicles"; <i>Society of Automotive Engineers, Inc.</i> ; 1996; pgs. 1-16
	70	Mercer; "Innovative Use of Horsepower - Hybrid Bus Powered by Gas Turbine"; <i>Diesel Progress</i> ; December 1997; pgs. 56-57
Ro	71	Berg; "Concept Truck Addresses Future Clean Air Demands With Hybrid Turbine-Electric Powertrain"; <i>Emissions Alternatives Fuels</i> ; (date unknown); pgs. 55-57
	72	FMTV - with HybirdDrive Propulsion System, pgs. 1-3
	73	Nene; "Advanced Propulsion Systems for Urban Rail Vehicles: Chapter 2: DC Drives with a Chopper Controller"; <i>Prentice-Hall, Inc.</i> ; 1985; pgs. 18-45

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
AA	5,392,716	02/28/95	Orschek et al.	105	61	
AB	5,661,378	08/26/97	Hapeman	318	52	
RO	5,735,215	04/07/98	Tegeler	105	34.1	
AD	6,612,246 B2	09/02/03	Kumar	105	34.2	

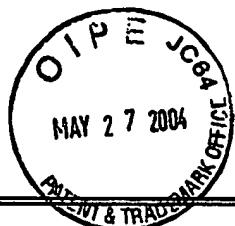
FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
					YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Ro	AA	Moghbelli, Hassan et al., "Chopper Design for NICTD Locomotives, Proceedings of the 1993 IEEE/ASME Joint Railroad Conference, April 1993, pp. 67-75.

EXAMINER	BenBuRo	DATE CONSIDERED	12/1/2004
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	2003/0233959	12/25/03	Kumar	105	26.05	
	2003/0151387	8/14/03	Kumar	320	104	
	2003/0150352	8/14/03	Kumar	105	35	
	4,471,421	9/11/84	Brown et al.	363	54	
R	5,589,743	12/31/96	King	318	139	
	5,659,240	8/19/97	King	320	134	
	6,331,365	12/18/01	King	429	9	
	6,591,758	7/15/03	Kumar	105	35	
	6,612,245	9/2/03	Kumar et al.	105	26.05	
	6,737,822	5/18/04	King	318	375	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER	Bentu Ro	DATE CONSIDERED	12/1/04
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				<i>Complete if Known</i>	
				Application Number	10/649,286
				Filing Date	August 26, 2003
				First Named Inventor	Frank Wegner Donnelly
				Art Unit	2837
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	5107-3-CIP

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Cite No. ¹	
Ro	2.	Band, C.E. et al., "Development of and Operational Experience with a High Powered D.C. Chopper for 1500 Volt D.C. Railway Equipment," Institution of Electrical Engineers Conference Publication 53 on Power Thyristors and Their Applications, Part 1 (May 1969), pp. 277-288.

Examiner Signature	Bentley Ro	Date Considered	12/1/2004
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